

1 ABSTRACT OF THE DISCLOSURE

2 **TOXICANT-INDUCED DIFFERENTIAL GENE EXPRESSION**

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4 The present invention identifies nucleic acids that are differentially expressed  
5 in cells exposed to various toxicants, including a common group whose expression is  
6 modulated by toxicants that act by differing mechanisms. The nucleic acids so identified and  
7 their corresponding protein products have utility as markers for specific and general cytotoxic  
8 responses. Utilizing the identified nucleic acids, the invention further provides screening  
9 methods to identify and characterize toxicants, screens for identifying antidotes to particular  
10 toxicants and diagnostic methods for detecting toxic responses. The identified nucleic acids  
11 and their corresponding gene products also serve as targets for various therapeutics designed  
12 to alleviate toxic responses.